

# Notice of Allowability

Application No.

10/675,276

Examiner

Christopher A. Daley

Applicant(s)

BANDEKAR ET AL.

Art Unit

2111

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/12/07.
2. ☒ The allowed claim(s) is/are 1,3-11,13-21 and 23-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 9/29/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20070909
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

**DETAILED ACTION**  
**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anthan Miologos (29677) on September 12, 2007.

The application has been amended as follows:

**In the claims:**

Amend claim 1 as follows:

Claim 1 (Currently Amended): A method of providing a connection between a first device and a second device contained in a process automation system, said process automation system also containing a host controller designed to control operation of said first device and said second device, wherein each of said first device and said second device is implemented as a separate physical unit from said host controller, said method comprising:

establishing said connection between said first device and said second device a first field in said first device and a second field in said second device being required to have a same value for communication on said connection between said first device and said second device;

storing in a third device data identifying said first field in said first device and said second field in said device;  
receiving data indicating that said second field has changed to a new value when said second device is reinitialized;  
examining said data in said third device to determine that the value in at least one of said first field and said second field is to be changed for communication to continue on said connection between said first device and said second device after said initialization; and reestablishing said connection between said first device and said second device after said reinitialization by changing the value in at least one of said first field and said second field to ensure the values in said first field and said second field are equal, wherein said second device contains a plurality of objects providing said connection, wherein said new value comprises an index indicating a memory location where one of said plurality of objects is stored.

Amend claim 11 as follows:

Claim 11 (Currently Amended): A computer readable medium carrying one or more sequences of instructions for causing a control station to provide a connection between a first device and a second device contained in a process automation system, a first field in said first device and a second field in said second device being required to have a same value for communication on said connection between said first device and said second device, said process automation system also containing a host controller designed to control operation of said first device and said second device, wherein each

Art Unit: 2111

of said first device and said second device is implemented as a separate unit from said host controller, wherein execution of said one or more sequences of instructions by one or more processors contained in said control station causes said one or more processors to perform the actions of:

storing data identifying said first field in said first device and said second field in said device; receiving data indicating that said second field has changed to a new value when said second device is reinitialized; examining said data to determine that the value in at least one of said first field and said second field is to be changed for communication to continue on said connection between said first device and said second device after said initialization; and reestablishing said connection by changing the value in at least one of said first field and said second field to ensure the values in said first field and said second field are equal , wherein said second device contains a plurality of objects providing said connection, wherein said new value comprises an index indicating a memory location where one of said plurality of objects is stored.

Amend claim 21 as follows:

Claim 21 (Currently Amended): A system facilitating a connection to be provided between a first device and a second device, said first device and said second device being contained in a process automation system, said process automation system also containing a host controller designed to control operation of said first device and said

Art Unit: 2111

second device, wherein each of said first device and said second device is implemented as a separate unit from said host controller, said system comprising:

means for establishing said connection between said first device and said second device, a first field in said first device and a second field in said second device being required to have a same value for communication on said connection between said first device and said second device;

means for storing data identifying said first field in said first device and said second field in said device;

means for receiving data indicating that said second field has changed to a new value when said second device is reinitialized;

means for examining said data in said third device to determine that the value in at least one of said first field and said second field is to be changed for communication to continue on said connection between said first device and said second device after said initialization; and

means for reestablishing said connection between said first device and said second device after said reinitialization by changing the value in at least one of said first field and said second field to ensure the values in said first field and said second field are equal, wherein said second device contains a plurality of objects providing said connection, wherein said new value -comprises an index indicating a memory location where one of said plurality of objects is stored.

Art Unit: 2111

Cancel claims 2,12, and 22 without prejudice or disclaimer.

In claim 3 at line 2, delete "2" and insert - - 1 - - in its place.

In claim 13 at line 1, delete "12" and insert - - 11 - - in its place.

In claim 23 at line 1, delete "22" and insert - - 21 - - in its place.

The above amendments are necessary to correct for incorrect claim dependencies due to cancellation of some claims. The corrected dependencies refer to the parent claims of the claims, which were cancelled.

2. Claims 1,3-11,13-21,23-30 are pending.

***Allowable Subject Matter***

3. Claims 1,3-11,13-21,23-30 are allowed.

4. The following is an examiner's statement of reasons for allowance: Independent claims 1, 11, and 21 allowable over the prior art of record because the prior art does not suggest establishing said connection between said first device and said second device a first field in said first device and a second field in said second device being required to have a same value for communication on said connection between said first device and said second device; storing in a third device data identifying said first field in said first device and said second field in said device receiving data indicating that said second field has changed to a new value when said second device is examining said data in said third device to determine that the value in at least one of said first field and said second field is to be changed for communication to continue on said connection between said first device and said second device after said initialization; and

Art Unit: 2111

reestablishing said connection between said first device and said second device after said reinitialization by changing the value in at least one of said first field and said second field to ensure the values in said first field and said second field are equal , wherein said second device contains a plurality of objects providing said connection, wherein said new value -comprises an index indicating a memory location where one of said plurality of objects is stored.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher A. Daley whose telephone number is 571 272 3625. The examiner can normally be reached on 9 am. - 4p m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 571 272 3632. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2111

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher Daley  
Examiner  
Technology Center 2100  
9/17/2007



**MARK H. RINEHART**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**